U. S. DEPARTMENT OF AGRICULTURE,

BUREAU OF ENTOMOLOGY

NEWS-LETTER

OF

THE

OFFICE OF CEREAL AND FORAGE INSECT INVESTIGATIONS.

Volume I,

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April 1,

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The number of people at present engaged in the investigation of cereal and forage insects has become so large and so many lines of research are being followed that it is no longer possible for those engaged in the work to keep in such close touch with one another as was possible when the numbers were much more limited. All of the older men are personally acquainted with one another, as well as with the older members of the office force, but many additions have been made in later years, so that owing to their wide distribution this close relationship is no longer possible. It has therefore been thought possible, in part at least, to overcome this lack of comradship by keeping all of those who are employed in any way in connection with this work, posted as to what each one is doing, where he is located, and to afford any other information that would tend to unite and solidify the force. It is quite possible, with the aid of photographs, to show one another some special feature of work that is being prosecuted, exterior views of the various laboratory

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buildings, breeding cages, and other kinds of equipment.

The News-letter will, if it meets with unanimous approval among those most interested, be issued each month, to be circulated only among members of this particular section of the bureau.

I would therefore urge the members of the force working under my direction to make use of it in cultivating a closer relationship with one another. Ask questions and tell in as few words as possible what you are doing and how you are doing it. It is quite likely to come about that general as well as bureau and section orders may be distributed in this way. Let me urge upon assistants throughout the office to combine in making the News-letter as useful and desirable as possible.

F. M. Webster.

In Charge Cereal and Forage

Insect Investigations.

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The following is a roster of the section, April 1, 1913, with the official address of each.

F. M. Webster, in charge cereal & forage insect investigation, Bureau of Entomology.
Geo. I. Reeves, Room 510, Vermont Bldg., Salt Lake City, Utah.
W. J. Phillips, Exp. Sta. Bldg., La Fayette, Ind.
C. N. Ainslie, Elk Point, S. Dak.
E. O. G. Kelly, U. S. Ent. Lab., Wellington, Kans.
W. R. Walton, Bureau of Entomology.
H. M. Russell, Tempe, Ariz.
T. D. Urbahns, 1519 W. 6th St., Glendale, Cal.
James A. Hyslop, U. S. Ent. Lab., Hagerstown, Md.
J. J. Davis, Exp. Sta. Bldg., La Fayette, Ind.
R. A. Vickery, South Texas Gardens, Brownsville, Tex.
Henry Fox, Exp. Sta. Bldg., La Fayette, Ind.
J. R. Malloch, U. S. National Museum, Washington, D. C.
G. G. Ainslie, Lakeland, Fla.
J. T. Monell, 3454 Halliday Ave., St. Louis, Mo.
V. L. Wildermuth, U. S. Ent. Lab., Tempe, Ariz.
T. H. Parks, Box 351, Greenwood, Miss.
*H. T. Osborn, 485 King Ave., Columbus, Ohio.
W. R. McConnell, Box 351, Greenwood, Miss.
W. R. Thompson, Laboratorio di Entomologia Agraria, Regia Scuola Sup. di Agricoltura, Portici, Napoli, Italy.
Harrison E. Smith, U. S. Ent. Lab., Wellington, Kans.
Philip Luginbill, New Science Hall, Univ. of S. C., Columbia, S. C
C. W. Creel, Room 510, Vermont Bldg., Salt Lake City, Utah.
P. H. Timberlake, Room 510, Vermont Bldg., Salt Lake City, Utah.
E. G. Smyth, South Texas Gardens, Brownsville, Tex.
R. N. Wilson, U. S. Ent. Lab., Tempe, Ariz.
Vernon King, U. S. Ent. Lab., Wellington, Kans.
E. H. Gibson, Box 261, Nashville, Tenn.
L. P. Rockwood, Room 510, Vermont Bldg., Salt Lake City, Utah.
Philip B. Miles, " " " " " " " "
Thomas R. Chamberlin " " " " " " "
H. R. Jennings, " " " " " " " "

Margaret Marshall, Bureau of Entomology.
Thomas F. Mahan, " " "
Nettie S. Klopfer, " " "
Mattie Dyer, Room 510, Vermont Bldg., Salt Lake City, Utah.
Chas. Petty, Lancaster, Wis.

*On leave.

Mr. Geo. I. Reeves will continue in charge of the alfalfa weevil investigations in Utah and adjacent States during the coming season, in so far as these relate to field investigations. The other men associated with him are Messrs. Creel, Miles, Chamberlin, and Jennings. The management of the foreign parasites, the introduction of which from southern Europe will continue this year, will be under the supervision of Mr. P. H. Timberlake, recently transferred from citrus fruit insect investigations. He will be assisted by Mr. L. P. Rockwood. This parasitic material is being collected in southern Europe and dispatched to this country by Mr. W. R. Thompson, formerly of the Gipsy Moth Laboratory, who has a number of assistants, among whom is Doctor Martelli, aiding him in securing egg parasites of the alfalfa weevil, to be followed later by parasites of the larva and pupa.

Mr. W. J. Phillips, who has spent some time in the office preparing manuscript, has returned to his field station. During the coming season, aided by Doctor Fox, he will pay special attention to the Isosoma, which he has been studying for a number of years. Whenever other members of the force can do so without interfering with their work, they can aid materially in this investigation of the Isosoma by sending Mr. Phillips stems of different species of grass or grain in which the insects are hibernating. The stems can be rolled in newspaper and the usual memorandum inclosed on a written slip and franked to Mr. Phillips.

Mr. C. N. Ainslie has only just got fairly settled in his new laboratory at Elk Point, S. Dak., and will investigate a number of insects of which the people in that section have complained bitterly during the last few years.

Mr. E. O. G. Kelly continues in charge of the Wellinton, Kans., laboratory and with him are associated Mr. Vernon King and Mr. Harrison E. Smith. Mr. Smith was transferred a few months ago from the gipsy-moth work.

Mr. Theodore D. Urbahns will be in charge of the laboratory at Glendale, Cal.

Mr. James A. Hyslop will continue in charge of the laboratory at Hagerstown, Md. His major investigation

will be that of wireworms, and any material sent him with the proper data will be of great aid to him.

Mr. J. J. Davis will continue at the La Fayette, Ind., laboratory with the major investigation of Lachnosterna. Any material that can be sent him by other members of the force, with the proper information relating thereto, will be of much assistance.

Messrs. Vickery and Smyth now have a laboratory at Brownsville, Tex. The old cavalry barracks building at Fort Brown has been assigned to their use and has been fitted up by Mr. Vickery.

Mr. Geo. G. Ainslie, with Mrs. Ainslie, is at Lakeland, Fla., investigating the winter habits of the fall army worm and other injurious species of Florida. In the meantime the laboratory at Nashville, Tenn., is in temporary charge of Mr. E. H. Gibson.

Messrs. Wildermuth and Wilson remain at the entomological laboratory at Tempe, Ariz., investigating, for the most part, alfalfa insects.

Mr. T. H. Parks, who has spent some time in the office preparing manuscript, has returned to the new field station at Greenwood, Miss., where, with Mr. W. R. McConnell, he will carry out investigations of the many insects attacking cereal and forage crops in that section of the country.

Mr. Philip Luginbill has a laboratory in the University of South Carolina at Columbia, S. C., and will work on the fall army worm and other insects of the southern Atlantic Coast region.

Mr. H. M. Russell, recently transferred from truck crop investigations and assigned to the alfalfa weevil investigations at Salt Lake City, on account of the sudden and serious effects of the winter climate on his health, will be transferred to one of the southwestern laboratories.

It has been found that safety razor blades can be advantageously used in place of the larger knives for sectioning, as when the safety blades become dull they can be discarded. It is understood that the razor blade holder furnished by the Bausch & Lomb Co., Cat. No. 3145, is unsatisfactory. The botanical department of the University of Chicago has perfected a safety blade holder that has proved much more satisfactory.

J. J. Davis.